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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C12Q 1/68, G01N 33/53		A2	(11) International Publication Number: WO 99/63116
			(43) International Publication Date: 9 December 1999 (09.12.99)
(21) International Application Number: PCT/US99/12336 (22) International Filing Date: 3 June 1999 (03.06.99) (30) Priority Data: 60/088,016 4 June 1998 (04.06.98) US (71) Applicant (for all designated States except US): REPROGEN, INC. [US/US]; Suite 210, 163 Technology Drive, Irvine, CA 92618 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): SCHNEIDER, Patrick, A. [US/US]; 49 Castillo, Irvine, CA 92620 (US). FRENCH, Cynthia, K. [US/US]; 14 Virgil Court, Irvine, CA 92612 (US). YAMAMOTO, Karen, K. [US/US]; 524 West Avenida de los Lobos Marinos, San Clemente, CA 92672 (US). (74) Agents: STORELLA, John, R. et al.; Townsend and Townsend and Crew LLP, 8th floor, Two Embarcadero Center, San Francisco, CA 94111-3834 (US).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i>	
(54) Title: USE OF PROTHYMOSIN IN THE DIAGNOSIS AND TREATMENT OF ENDOMETRIOSIS			
(57) Abstract Prothymosin expression is up-regulated in endometriotic tissue. This invention provides methods of diagnosing endometriosis by detecting up-regulation of a prothymosin gene product, and methods of treating endometriosis by down-regulating expression of prothymosin in ectopic or eutopic endometriotic tissue.			